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Assessment Security and Test Impropriety
Division of Assessment

Outline

- Test Security
- Incident Prevention
- Incident Detection
- Incident Escalation
  – Report Incidents
  – Report Test Appeals

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Definition of Test

- Test <u>estimates</u> some aspects of one's ability
  - No test is perfect
  - No test can tell you who you are as a person

- Estimation <u>can be</u> valuable to set standards
  - Driver's license test
  - Teacher's certification test

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What is ISAT?

- Idaho Standards Achievement Test
  - Aligned to Idaho Content Standards in ELA/language, mathematics, and science

  - Designed to assess student's achievement and progress towards college and career readiness in English language arts and literacy, and mathematics

Darling-Hammond, L., Haertel, E., Pellegrino, J., & Bae, S. (March, 2015). Making Good Use of New Assessments: Interpreting and Using Scores from the Smarter Balanced Assessment Consortium. Retrieved from http://nh.portal.airast.org/wp-content/uploads/2015/08/EDU-WhitePaper-Making_Good_Use-of_New_Assessments.pdf.

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Test Security

- What is Test Security?

- Test Security Violations:
  - Cheating
  - Stealing

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Why do we still care?

- Code of Ethics

- Resources
  - Cost
  - Time
  - Energy

- We want scores to be meaningful!

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Validity and Reliability

- Validity
  - How well a test measures what it is supposed to measure

- Reliability
  - The degree to which an assessment produces consistent results

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Validity

- Validity depends on the following:
  - Test Development
  - Test Score Reliability
  - Accurate Scaling and Equating
  - Achievement Standards Setting
  - Scoring Procedures
  - Standardized Test Administration
  - Attention to Fairness

ISAT by Smarter Assessments 2015-2016 Technical Report

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2/7/2017

Reliability

- Reliability depends on the following:
  - Test-specific Factors
  - Scoring-specific Factors
  - Examinee-specific Factors

An Instructor's Guide to Understanding Test Reliability. Wells, C.S. & Wollack, J.A. (November, 2003). Retrieved from https://testing.wisc.edu/Reliability.pdf

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Let's Take a Test

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Interpretation of Test Results

https://commons.wikimedia.org/wiki/File:Reliability_and_validity.svg

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2/7/2017
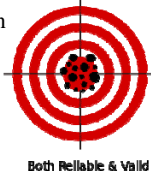
What could affect the results?

- What could alter your results, given your ability?
  - Standardized Test Administration
  - Attention to Fairness
  - Examinee-specific Factors

Both Reliable & Valid

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Definition of Incident

- Anything that could affect validity and reliability of the test (intended and unintended)

- Types of Incident
  - Test Security Violation (Breach)
  - Test Interruption
    - Irregularity
    - Impropriety

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What happened last year?

- 1143 incidents reported in 2016
  - Adult-Initiated (50%)
  - Student-Initiated (20%)
  - Technology Related Issues (30%)

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Incident Prevention

- Test Preparation
- Scheduling
- Training
- Testing Environment
- Qualification of Test Administrator
- Evaluation of Policies and Procedures

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Incident Detection

- Monitoring Activities
  - Sessions
  - Data and Logs
  - Monitoring Social Media
  - Monitoring Secure Printed Materials

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Incident Escalation

- Incident Log
- TIDE Appeals
- Escalating Unsafe Response
- Secure State Assessment Hotline
  - 208-332-6995

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Incident Log vs. TIDE Appeal

	Incident Log	TIDE Appeal
What?	• An online application to collect ALL incidents • Replaces the excel spreadsheet collected through the SDE's SFTP site	• An online portal to appeal test status on affected test(s)
Why?	• Validate Test Results in case of an Outlier • Conduct Needs Assessment What is ISAT?	• Update Test Status
Who?	• Incident Submitter (could be a proctor) • Incident Reviewer (test coordinator)	• Test Coordinator
When?	• Test Security Violation - as soon as possible • Test Interruption - within 24 hours	
Where?	https://apps.sde.idaho.gov/testsecuritylog (available on March 1st)	TIDE Portal

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Incident Log Entry Page

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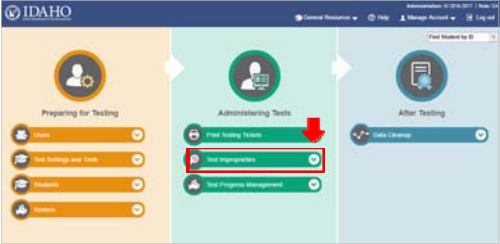SHERRI YBARRA, SUPERINTENDENT OF PUBLIC INSTRUCTION

TIDE Home Page

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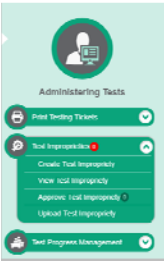SHERRI YBARRA, SUPERINTENDENT OF PUBLIC INSTRUCTION

TIDE Appeals

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Status of Test Improprieties in TIDE

Impropriety Request Status	Description of Status
Error Occurred	An error occurred while the impropriety request was being processed.
Pending Approval	Impropriety request is pending approval.
Processed	Impropriety request was successfully processed and the test opportunity has been updated.
Rejected	Another user rejected the impropriety request.
Rejected by System	Test Delivery System was unable to process the impropriety request.
Requires Resubmission	Impropriety request must be resubmitted.
Retracted	Originator retracted the impropriety request.
Submitted for Processing	Impropriety request submitted to Test Delivery System for processing.
Resolved	Impropriety was resolved.

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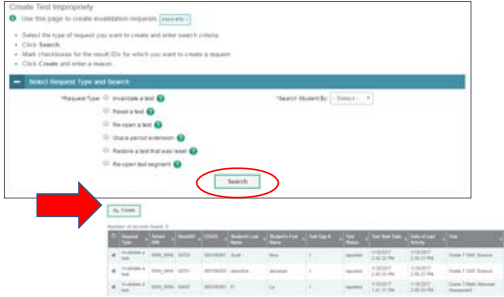## Creating a Test Impropriety in TIDE

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Creating a Test Impropriety via a File Upload in TIDE

- Columns in the Test Improprieties Upload File
  - o **Type of Test Impropriety**: Invalidate a test, Reset a test, Re-open a test, Re-open a test segment, Restore a test that was reset, and Grace Period Extension.
  - o **Search Type**: EDUID , Result ID, and Session ID.
  - o **Search Value**: Up to 1,000 alphanumeric characters. The value must exist in TDS or TIDE. For example, specifying a result ID of 123456 requires that this result ID exist in TDS.
  - o **Reason for creating a Test Impropriety**: Up to 1,000 alphanumeric characters.

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Summary

- Incident is anything that could affect validity and reliability of the test (intended and unintended)

- Why is test security important?
  - Fairness to all students and schools
  - Code of Ethics and resources

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